BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of Work:- Modified Estimate for Improvements & Asphalting of Ravindranagara 1st Main and 2nd Main roads in Ward No.13 in Shettyhalli Sub-Division

			Est. Cost Rs				20.00	Lakhs	
Sl.	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	EIRL								
1	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications Page No. 150/ Item No. 19.1/ PWD SR 2014-15						Cum		
	1st Main Road - Bad Reaches		1	175.00	5.00	0.25	218.75		
			2	300.00	0.60	0.25	90.00		
	2nd Main 100 to 200 CH		1	50.00	5.20	0.25	65.00		
			2	50.00	0.70	0.25	17.50		
							391.25	75.60	**29578.50**
								TR	
2	KSRRB M400- Wet Mix Macadam - KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (P.167/I.20.18 PW, P & IWTD - SR 2014-15)						**Cum**		
	1st Main Road - Bad Reaches		1	175.00	5.00	0.25	218.75		
			2	300.00	0.60	0.25	90.00		
	2nd Main		1	50.00	5.20	0.25	65.00		
			2	50.00	0.60	0.25	15.00		
							388.75	1438.56	**559240.20**
								TR	
3	KSRRB M500-6. Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502 Page No. 175/ Item No. 21.6/ PWD SR 2014-15						**Sqm**		
			1	175.00	5.00		875.00		
			2	300.00	0.60		360.00		
			1	50.00	5.20		260.00		
			2	50.00	0.60		60.00		
							1235.00	35.21	**43484.35**
								TR	

4	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH / Chapter 5. (Page No. 175, Item No. 21.1, PWD SR 2014-15						Sqm		
	1st Main Road		1	500.00	5.10		2550.00		
	2nd main		1	100.00	5.50		550.00		
							3100.00	3.02	**9362.00**
								TR	
5	KSRRB 500-7. Providing and applying tack coat on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5 Page No. 176/ Item No. 21.7/ PWD SR 2014-15						Sqm		
	1st Main Road		1	500.00	5.10		2550.00		
	1st Cross		1	100.00	5.50		550.00		
							3100.00	18.74	**58094.00**
								TR	
	EIRL								
6	Providing and laying bituminous concrete 30 - 40mm thickness Hot Mix Plant Usig using crushed aggregates of specified grading, premixed with bituminous binder at mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled vibratory and ttandem rollers to achieve the desired compaction as per MoRTH specification clause No. 500.9 complete in all respects with using 40 / 60 TPH Capacity With Sensor Paver Gr-II (30-45 mm) With 6% VG-30 bitumen with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work. (PWDSR 2015-16, P.No.164, I No. 21.22.4)						**Cum**		
			1	500.00	5.10	0.04	102.00		
			1	100.00	5.50	0.04	22.00		
							124.00	9696.72	**1202393.28**
								TR	
	Basic Rate	9,149.00							
	8% Area Weightage	731.92							
	Total	9880.92							
	Less TP	184.20							
	Grand Total	9696.72							
7	Providing Granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. 7.5 cms thick. Page No. 25/ Item No. 5.31.1/ PWD SR 2014-15						**Not Executed**		
								639.36	**0.00**
								TR	

8	Carriage of mixed materials 10kms . For items of Sl. No (1) rs. 5.20 per cum/km. Page No. 186/PWD SR 2013-14						Cum		
	Qty Vide item No. 2 + 6						**512.75**	56.16	**28796.04**
	Basic Rate	52.00							
	Add Area Weightage 8%	4.16							
	Total	56.16							
9	Providing & laying reinforeced cement precast slabs of mix CC 1:11/2:3 using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specfications.								
	missed slabs		1	23.00	0.60	0.90	12.42		
							12.42	**1600.00**	**19872.00**
								TR	
10	Disposal of Debris to the final place of disposal with all lead and lift and directions by the engineer in charge of the work. Lead10km a) Basic rate for Hualage of material as per item No.17.4/KSRRB M100-4.1 Rs.2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for rs.2.00km c) Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs 62.2 (P.150,I.NO.18.57.1)						**Cum**		
	Qty Vide tem No.1						**391.25**		
							391.25	72.71	**28447.79**
11	Add QC Charges 1%								20000.00
12	Miscellaneous and Unforeseen Charges								**732.00**
									2000000

Rs. Twenty Lakhs Only

CERTIFICATE:-

1 The Work spot has been inspected and the work is found to be necessary
2 The Estimate is prepared as per the PW,P & IWTD -SR-2014-15
3 The Provision made in estimate are adequate and essential.
4 This area comes under BBMP limits.

Assistant Engineer
Ward No. 13

Assistant Executive Engineer
Shettyhalli Sub division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP